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(FILE 'HOME' ENTERED AT 20:52:51 ON 15 DEC 2000)

FILE 'CA' ENTERED AT 20:53:01 ON 15 DEC 2000  
E JP06297565/PN

L1 1 S E3  
L2 1322 S FISHEYE? OR FISH EYE?  
L3 36 S L2 AND PHOTO?

FILE 'USPATFULL' ENTERED AT 20:55:54 ON 15 DEC 2000

L4 530 S L3  
L5 137 S L4 AND (POLYPROPYLENE? OR POLY PROPYLENE?)

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Cynthia  
CYNTHIA HAMILTON  
PRIMARY EXAMINER

L3 ANSWER 34 OF 36 CA COPYRIGHT 2000 ACS  
AN 73:46104 CA  
TI **Photometric** evaluation of the readiness of transparent  
poly(vinyl chloride) films for use in rolling processes  
AU Solomenko, M. G.; Popyuk, S. V.  
CS USSR  
SO Khim. Mashinostr. (Kiev) (1970), No. 10, 135-8  
CODEN: KMMRAZ  
DT Journal  
LA Russian  
CC 36 (Plastics Manufacture and Processing)  
AB A method was developed for monitoring film-rolling processes whereby  
defects in transparent poly(vinyl chloride) films are detd.  
**photometrically**. Ripples, "**fish-eyes**," and  
other heterogeneities in films can thus be eliminated.  
ST polyvinyl chloride films heterogeneities; **photometric** evaluation  
heterogeneities films; heterogeneities films **photometric**  
evaluation; films heterogeneities **photometric** evaluation  
IT 9002-86-2, uses and miscellaneous  
RL: USES (Uses)  
(

L1 ANSWER 1 OF 1 CA COPYRIGHT 2000 ACS  
 AN 122:267600 CA  
 TI Polyester release films for covering photoresists  
 IN Takahashi, Kozo; Tsunashima, Kenji; Kimura, Masahiro  
 PA Toray Industries, Inc., Japan  
 SO Jpn. Kokai Tokkyo Koho, 11 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese  
 IC ICM B29C055-12  
 ICS B32B027-36; C08J007-04  
 ICI B29K067-00, B29L007-00  
 CC 38-3 (Plastics Fabrication and Uses)  
 Section cross-reference(s): 74

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06297565	A2	19941025	JP 1993-205269	19930819 <--
PRAI	JP 1993-32061		19930222		

AB The films comprise polyesters contg. 5-50 mol% C.gtoreq.10 alkylene group-contg. linear aliph. dicarboxylic acid units and/or cyclohexanedicarboxylic acid units, polyesters contg. block polycaprolactam units, polyesters contg. block polyethylene glycol units, and/or polyesters contg. block polytetramethylene glycol units, have surface tension .ltoreq.36 dyne/cm, modulus 10-250 kg/mm2, and sp.gr. 0.5-1.2, have voids and .gtoreq.1 side coated with waxes, and have .gtoreq.1 side optionally contg. 1-50% polyolefins (e.g., norbornene polymers). Ethylene glycol-hydrogenated dimer acid-terephthalic acid copolymer extrudate was sandwiched between two PET extrudates, cast on a drum, drawn in the machine direction, exposed to elec. corona, coated

with

an aq. dispersion contg. 50 parts hydrogenated rosin-.alpha.,.beta.-substituted ethylene adduct ester wax and 50 parts oxidized wax, dried, and drawn in the transverse direction to give a film exhibiting good release property on covering a photoresist layer with the film and removing the film from the material.

ST polyester release film cover photoresist

IT Polyesters, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (release films for covering photoresists)

IT Resists

(photo-, polyester release films for coverings for)

IT Alkenes, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (polymers, blends with PET, films; polyester release films for

covering

photoresists)

IT Parting materials

(release films, polyesters; for covering photoresists)

IT Fatty acids, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (unsatd., dimers, hydrogenated, polyesters, films, laminates with PET; release films for covering photoresists)

IT 25068-26-2 162429-90-5, Apel APL 6509

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

- (blends with PET, films, laminates with polyesters; release films for covering photoresists)
- IT 25038-59-9, Poly(ethylene terephthalate), uses  
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(film, laminates with copolyesters; release films for covering photoresists)
- IT 100-21-0D, Terephthalic acid, polymers with hydrogenated dimer acids and ethylene glycol  
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(films, laminates with PET; release films for covering photoresists)
- IT 107-21-1D, Ethylene glycol, polymers with hydrogenated dimer acids and terephthalic acid  
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(release films for covering photoresists)